

Dimensiones, pesos y presiones mínimas en prueba hidrostática

Measurements, weights and minimal pressures in hydrostatic test

Diámetro Nominal				Diámetro Exterior	Espesor de pared	Cédula y clasif. de peso	Peso Teórico	ESPECIFICACIONES API-5L PRESIONES DE PRUEBA										ESPECIFICACIONES ASTM			
								GRADO B		X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	A-53		A-120	
Nominal Diameter				Outside Diameter	Wall Thickness	Schedule and weight Class	Weight per unit lenght	API-5L SPECIFICATIONS MINIMUM TEST PRESSURE										ASTM SPECIFICATIONS			
								GRADE B	X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	GRADE A	GRADE B	A-120		
mm(plg)	mm(plg)	mm(plg)	Cédula	Kg/m	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100 (lb/pg²)	
50.8 (2")	60.3 (2.375")	3.2 (0.125)		4.51 (3.01)	153 (2,210)	185 (2,650)	202 (2,910)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	132 (1,890)	153 (2,210)	—	—	
		3.6 (0.141)		5.03 (3.37)	172 (2,490)	207 (2,990)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	148 (2,140)	172 (2,490)	—	—	
		3.9 (0.154)	40 std	5.42 (3.66)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	159 (2,300)	172 (2,500)	69 (1,000)		
		5.5 (0.218)	80 xs	7.43 (5.03)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	172 (2,500)	172 (2,500)	103 (1,300)		
63.5 (2 1/2")	73 (2.875")	3.2 (0.125)		5.51 (3.67)	127 (1,830)	153 (2,190)	167 (2,400)	189 (2,710)	203 (2,920)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	109 (1,570)	127 (1,830)	—	—	
		3.6 (0.141)		6.16 (4.12)	143 (2,060)	172 (2,470)	188 (2,710)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	122 (1,770)	143 (2,060)	—	—	
		3.9 (0.156)		6.81 (4.53)	158 (2,280)	191 (2,730)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	136 (1,950)	158 (2,280)	—	—	
		4.4 (0.172)		7.44 (4.97)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	150 (2,150)	172 (2,500)	—	—	
76.2 (3")	88.9 (3.500")	4.8 (0.188)		8.07 (5.40)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	163 (2,350)	172 (2,500)	—	—	
		5.2 (0.203)	40 std	8.69 (5.80)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	172 (2,500)	172 (2,500)	69 (1,000)		
		5.5 (0.216)		9.16 (6.14)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	172 (2,500)	172 (2,500)	—	—	
		6.4 (0.250)		10.51 (7.02)	172 (2,500)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	172 (2,500)	172 (2,500)	—	—	
101.6 (4")	114.3 (4.500")	3.2 (0.125)		8.77 (5.85)	81 (1,170)	97 (1,400)	106 (1,530)	121 (1,730)	130 (1,870)	139 (2,000)	151 (2,170)	162 (2,330)	162 (2,330)	162 (2,330)	162 (2,330)	—	69 (1,000)	81 (1,170)	—	—	
		3.6 (0.141)		9.83 (6.57)	91 (1,320)	110 (1,580)	120 (1,730)	136 (1,960)	146 (2,110)	156 (2,260)	169 (2,440)	183 (2,630)	183 (2,630)	183 (2,630)	183 (2,630)	—	78 (1,130)	91 (1,320)	—	—	
		3.9 (0.156)		10.88 (7.24)	101 (1,460)	122 (1,750)	133 (1,910)	151 (2,160)	162 (2,330)	174 (2,500)	188 (2,700)	203 (2,910)	203 (2,910)	203 (2,910)	203 (2,910)	—	86 (1,250)	101 (1,460)	—	—	
		4.4 (0.172)		11.92 (7.96)	111 (1,610)	134 (1,930)	146 (2,110)	166 (2,390)	178 (2,570)	191 (2,750)	207 (2,980)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	96 (1,380)	111 (1,610)	—	—	
		4.8 (0.188)		12.96 (8.67)	121 (1,750)	146 (2,110)	160 (2,310)	181 (2,610)	195 (2,810)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	103 (1,500)	121 (1,750)	—	—	
		5.2 (0.203)		13.99 (9.32)	132 (1,890)	158 (2,270)	173 (2,490)	196 (2,810)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	113 (1,620)	132 (1,890)	—	—	
		5.6 (0.219)		15.01 (10.02)	142 (2,040)	170 (2,450)	186 (2,690)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	121 (1,750)	141 (2,040)	—	—	
		6.0 (0.237)	40 std	16.02 (10.80)	152 (2,210)	183 (2,650)	200 (2,910)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	131 (1,900)	152 (2,210)	83 (1,200)		
		6.4 (0.250)		17.03 (11.36)	162 (2,330)	195 (2,800)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	138 (2,000)	161 (2,330)	—	—	

Dimensiones, pesos y presiones mínimas en prueba hidrostática
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Diámetro Nominal		Diámetro Exterior	Espesor de pared	Cédula y clasif. de peso	Peso Teórico	ESPECIFICACIONES API-5L PRESIONES DE PRUEBA										ESPECIFICACIONES ASTM											
						GRADO B					X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	A-53		A-120						
Nominal Diameter	Outside Diameter	Wall Thickness	Schedule and weight Class	Weight per unit length		API-5L SPECIFICATIONS MINIMUM TEST PRESSURE										ASTM SPECIFICATIONS											
						GRADE B					X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	A-53		A-120						
mm(pig)	mm(pig)	mm(pig)	Cédula	Kg/m	(lb/pie)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)				
127 (5")	141.3 (5.563")	4.8 (0.188) 5.6 (0.219) 6.6 (0.258) 7.1 (0.281) 7.9 (0.312) 8.7 (0.344) 9.5 (0.375)	40 std	16.16	(10.80)	98	(1.420)	118	(1.700)	129	(1.870)	146	(2.110)	157	(2.270)	169	(2.430)	183	(2.640)	197	(2.840)	84	(1.220)	98	(1.420)		
				18.74	(12.51)	115	(1.650)	138	(1.980)	151	(2.170)	171	(2.460)	184	(2.650)	197	(2.830)	207	(3.000)	207	(3.000)	98	(1.420)	114	(1.650)		
				21.92	(14.63)	135	(1.950)	163	(2.340)	178	(2.560)	201	(2.890)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	115	(1.670)	134	(1.950)		
				23.50	(15.87)	145	(2.120)	175	(2.550)	191	(2.790)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	125	(1.820)	146	(2.120)		
				25.99	(17.51)	162	(2.360)	195	(2.830)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	139	(2.020)	163	(2.360)		
				28.45	(19.19)	178	(2.600)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	154	(2.230)	179	(2.600)		
				30.88	(20.80)	193	(2.800)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	168	(2.430)	193	(2.800)		
152.4 (6")	168.3 (6.625")	4.8 (0.188) 5.2 (0.203) 5.6 (0.219) 6.4 (0.250) 7.1 (0.280) 7.9 (0.312) 8.7 (0.344) 9.5 (0.375) 11.0 (0.432) 12.7 (0.500)	40 std	19.35	(12.94)	82	(1.190)	124	(1.790)	136	(1.960)	154	(2.210)	165	(2.380)	177	(2.550)	192	(2.770)	207	(2.980)	70	(1.020)	82	(1.190)		
				20.91	(13.94)	89	(1.290)	134	(1.930)	147	(2.110)	166	(2.390)	179	(2.570)	192	(2.760)	207	(2.990)	207	(3.000)	77	(1.100)	89	(1.290)		
				22.47	(15.00)	96	(1.390)	145	(2.080)	158	(2.280)	179	(2.580)	193	(2.780)	207	(2.980)	207	(3.000)	207	(3.000)	82	(1.190)	96	(1.390)		
				25.55	(17.04)	110	(1.580)	165	(2.380)	181	(2.600)	205	(2.940)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	94	(1.360)	109	(1.580)		
				28.22	(18.99)	122	(1.780)	184	(2.660)	201	(2.920)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	105	(1.520)	123	(1.780)		
				31.25	(21.06)	136	(1.980)	204	(2.970)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	117	(1.700)	137	(1.980)		
				34.24	(23.10)	149	(2.180)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	129	(1.870)	150	(2.180)		
203.2 (8")	219.1 (8.625")	4.8 (0.188) 5.2 (0.203) 5.6 (0.219) 6.4 (0.250) 7.0 (0.277) 7.9 (0.312) 8.2 (0.322) 8.7 (0.344) 9.5 (.375) 11.1 (0.438) 12.7 (0.500)	20	37.20	(25.05)	163	(2.380)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	141	(2.040)	164	(2.380)		
				42.67	(28.60)	189	(2.740)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	162	(2.350)	189	(2.740)		
				48.73	(32.74)	193	(2.800)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	207	(3.000)	187	(2.720)	193	(2.800)		
				25.37	(16.96)	63	(920)	95	(1.370)	104	(1.500)	118	(1.700)	127	(1.830)	136	(1.960)	147	(2.130)	159	(2.290)	159	(2.290)	54	(780)	63	(920)
				27.43	(18.28)	69	(990)	103	(1.480)	113	(1.620)	128	(1.840)	137	(1.980)	147	(2.120)	159	(2.290)	172	(2.470)	172	(2.470)	59	(850)	69	(1,000)
				29.48	(19.68)	74	(1,070)	111	(1,600)	122	(1,750)	138	(1,980)	148	(2,130)	159	(2,290)	172	(2,480)	185	(2,670)	185	(2,670)	63	(910)	74	(1,070)

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Diámetro Nominal		Diámetro Exterior	Espesor de pared	Cédula y clasif. de peso	Peso Teórico	ESPECIFICACIONES API-5L PRESIONES DE PRUEBA										ESPECIFICACIONES ASTM								
						GRADO B	X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	GRADO A	GRADO B	A-53	A-120						
Nominal Diameter	Outside Diameter	Wall Thickness	Schedule and weight Class	Weight per unit lenght	API-5L SPECIFICATIONS MINIMUM TEST PRESSURE										ASTM SPECIFICATIONS									
					GRADE B	X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	GRADE A	GRADE B	A-53	A-120							
mm(plg)	mm(plg)	mm(plg)	Cédula	Kg/m	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)							
254 (10")	273.1 (10.750")	4.8 (0.188)		31.76 (21.23)	51	(730)	87	(1,250)	95	(1,370)	107	(1,550)	115	(1,660)	124	(1,780)	134	(1,930)	144	(2,080)	—	—	—	—
		5.2 (0.203)		34.35 (22.89)	55	(790)	94	(1,350)	103	(1,480)	116	(1,670)	125	(1,800)	134	(1,930)	145	(2,090)	156	(2,250)	—	—	—	—
		5.6 (0.219)		36.94 (24.65)	59	(860)	101	(1,450)	111	(1,590)	125	(1,800)	135	(1,940)	144	(2,080)	156	(2,250)	168	(2,420)	—	—	—	—
		6.4 (0.250)	20	42.09 (28.06)	68	(980)	116	(1,660)	126	(1,820)	143	(2,060)	154	(2,210)	165	(2,370)	178	(2,570)	192	(2,770)	—	—	—	—
		7.1 (0.279)		46.57 (31.23)	75	(1,090)	128	(1,850)	140	(2,030)	159	(2,290)	171	(2,470)	183	(2,650)	198	(2,870)	207	(3,000)	—	—	—	—
		7.8 (0.307)	30	51.03 (34.27)	83	(1,200)	141	(2,040)	154	(2,230)	174	(2,520)	187	(2,720)	201	(2,910)	207	(3,000)	207	(3,000)	—	—	—	—
		8.7 (0.344)		56.72 (38.27)	92	(1,340)	157	(2,340)	168	(2,420)	172	(2,500)	194	(2,830)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
304.8 (12")	323.9 (12.750")	9.3 (0.365)	40 std	60.50 (40.52)	98	(1,430)	168	(2,420)	184	(2,660)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
		11.1 (0.438)		71.72 (48.28)	118	(1,710)	200	(2,910)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
		12.7 (0.500)		81.55 (54.79)	134	(1,950)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
355.6 (14")	355.6 (14.000")	4.8 (0.188)		41.52 (27.76)	39	(560)	67	(960)	73	(1,050)	82	(1,190)	89	(1,280)	95	(1,370)	103	(1,480)	111	(1,600)	—	—	—	—
		5.2 (0.203)		44.93 (29.94)	42	(610)	72	(1,040)	79	(1,130)	89	(1,280)	96	(1,380)	103	(1,480)	111	(1,600)	120	(1,730)	—	—	—	—
		5.3 (0.210)		45.78 (30.96)	43	(630)	73	(1,070)	80	(1,170)	91	(1,330)	98	(1,430)	105	(1,530)	114	(1,660)	122	(1,790)	—	—	—	—
		5.6 (0.219)		48.33 (32.26)	46	(660)	78	(1,120)	85	(1,220)	96	(1,380)	103	(1,490)	111	(1,600)	120	(1,730)	129	(1,860)	—	—	—	—
		6.4 (0.250)	10	55.11 (36.75)	52	(750)	89	(1,280)	97	(1,400)	110	(1,580)	118	(1,700)	127	(1,820)	137	(1,970)	148	(2,130)	—	—	—	—
		7.1 (0.281)		61.02 (41.21)	58	(840)	98	(1,430)	108	(1,570)	122	(1,770)	131	(1,910)	141	(2,050)	152	(2,220)	164	(2,390)	—	—	—	—
		7.9 (0.312)	20	67.74 (45.65)	64	(940)	110	(1,590)	120	(1,740)	136	(1,970)	146	(2,120)	156	(2,270)	169	(2,460)	182	(2,650)	—	—	—	—
355.6 (14")	355.6 (14.000")	8.7 (0.344)		74.42 (50.22)	71	(1,030)	121	(1,750)	132	(1,920)	149	(2,170)	161	(2,340)	172	(2,510)	186	(2,720)	201	(2,920)	—	—	—	—
		9.5 (0.375)	40	81.08 (54.62)	77	(1,130)	132	(1,910)	144	(2,090)	163	(2,370)	175	(2,550)	188	(2,730)	203	(2,960)	207	(3,000)	—	—	—	—
		10.3 (0.406)		87.71 (59.00)	84	(1,220)	143	(2,070)	156	(2,270)	177	(2,560)	190	(2,760)	204	(2,960)	207	(3,000)	207	(3,000)	—	—	—	—
		11.1 (0.438)	40	94.30 (63.50)	90	(1,310)	154	(2,230)	168	(2,450)	191	(2,770)	205	(2,980)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
		11.9 (0.469)		100.86 (67.84)	97	(1,410)	165	(2,390)	180	(2,620)	204	(2,960)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—
		12.7 (0.500)		107.39 (72.16)	103	(1,500)	176	(2,550)	192	(2,790)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	207	(3,000)	—	—	—	—

Dimensiones, pesos y presiones mínimas en prueba hidrostática

Measurements, weights and minimal pressures in hydrostatic test

Diámetro Nominal		Diámetro Exterior	Espesor de pared	Cédula y clasif. de peso	Peso Teórico	ESPECIFICACIONES API-5L PRESIONES DE PRUEBA										ESPECIFICACIONES ASTM			
						GRADO B		X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	A-53		A-120	
Nominal Diameter	Outside Diameter	Wall Thickness	Schedule and weight Class	Weight per unit lenght		API-5L SPECIFICATIONS MINIMUM TEST PRESSURE										ASTM SPECIFICATIONS			
						GRADE B		X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	A-53		A-120	
mm(plg)	mm(plg)	mm(plg)	Cédula	Kg/m	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100	(lb/pg²) KPa x 100		
406.4 (16")	406.4 (16.000")	4.8 (0.188)		47.54 (31.78)	34 (490)	58 (840)	64 (920)	72 (1,040)	78 (1,120)	83 (1,200)	90 (1,300)	97 (1,400)	-	29 (420)	34 (490)	-	-		
		5.2 (0.203)		51.45 (34.28)	37 (530)	63 (910)	69 (990)	78 (1,120)	84 (1,210)	90 (1,290)	97 (1,400)	105 (1,510)	-	32 (460)	37 (530)	-	-		
		5.6 (0.219)		55.35 (36.95)	40 (570)	68 (980)	74 (1,070)	84 (1,210)	90 (1,300)	97 (1,400)	105 (1,510)	113 (1,630)	-	34 (490)	39 (570)	-	-		
		6.4 (0.250)	10	63.13 (42.09)	46 (660)	78 (1,120)	85 (1,220)	96 (1,380)	103 (1,490)	111 (1,590)	120 (1,730)	129 (1,860)	-	39 (560)	45 (660)	-	-		
		7.1 (0.281)		69.91 (47.22)	51 (740)	86 (1,250)	94 (1,370)	107 (1,550)	115 (1,670)	123 (1,790)	133 (1,940)	143 (2,090)	-	43 (630)	51 (740)	-	-		
		7.9 (0.312)	20	77.63 (52.32)	56 (820)	96 (1,390)	105 (1,520)	119 (1,720)	128 (1,860)	137 (1,990)	148 (2,150)	160 (2,320)	-	48 (700)	57 (820)	-	-		
		8.7 (0.344)		85.32 (57.57)	62 (900)	106 (1,540)	115 (1,680)	131 (1,900)	140 (2,050)	151 (2,190)	163 (2,380)	176 (2,560)	-	53 (770)	62 (900)	-	-		
		9.5 (0.375)	30 std	92.98 (62.64)	68 (980)	115 (1,670)	126 (1,830)	143 (2,070)	153 (2,230)	165 (2,390)	178 (2,590)	192 (2,790)	-	58 (840)	68 (980)	59 (850)	-		
		10.3 (0.406)		100.61 (67.68)	73 (1,070)	125 (1,810)	137 (1,980)	155 (2,240)	166 (2,420)	178 (2,590)	193 (2,800)	207 (3,000)	-	63 (910)	73 (1,070)	-	-		
		11.1 (0.438)		108.20 (72.86)	79 (1,150)	135 (1,950)	147 (2,140)	167 (2,420)	179 (2,610)	192 (2,790)	207 (3,000)	207 (3,000)	-	68 (990)	79 (1,150)	-	-		
457.0 (18")	457.0 (18.000")	11.9 (0.469)		115.77 (77.87)	85 (1,230)	144 (2,090)	158 (2,290)	179 (2,590)	192 (2,790)	206 (2,990)	207 (3,000)	207 (3,000)	-	73 (1,060)	85 (1,230)	-	-		
		12.7 (0.500)	40 xs	123.30 (82.85)	90 (1,310)	154 (2,230)	168 (2,440)	191 (2,760)	205 (2,980)	207 (3,000)	207 (3,000)	207 (3,000)	-	77 (1,120)	90 (1,310)	76 (1,100)	-		
		6.4 (0.250)		71.12 (47.44)	41 (580)	69 (990)	75 (1,090)	85 (1,230)	92 (1,320)	99 (1,420)	107 (1,530)	115 (1,650)	131 (1,890)	34 (500)	40 (580)	-	-		
		7.1 (0.281)		78.77 (53.23)	45 (660)	77 (1,110)	84 (1,220)	95 (1,380)	102 (1,490)	109 (1,590)	118 (1,730)	128 (1,860)	146 (2,120)	39 (560)	45 (660)	-	-		
		7.9 (0.312)	20	87.49 (58.99)	50 (730)	85 (1,240)	93 (1,360)	106 (1,530)	113 (1,650)	122 (1,770)	132 (1,920)	142 (2,060)	162 (2,360)	43 (620)	50 (730)	-	-		
		8.7 (0.344)		96.18 (64.93)	55 (800)	94 (1,360)	103 (1,490)	116 (1,690)	125 (1,820)	134 (1,950)	145 (2,110)	156 (2,270)	179 (2,600)	48 (690)	55 (800)	-	-		
		9.5 (0.375)	std	104.84 (70.65)	60 (880)	102 (1,490)	112 (1,630)	127 (1,840)	136 (1,980)	146 (2,130)	158 (2,300)	171 (2,480)	195 (2,830)	52 (750)	61 (880)	-	-		
		10.3 (0.406)		113.46 (76.36)	65 (950)	111 (1,610)	121 (1,760)	138 (1,990)	148 (2,150)	159 (2,300)	172 (2,490)	185 (2,680)	207 (3,000)	56 (810)	65 (950)	-	-		
		11.1 (0.438)	30	122.05 (82.23)	70 (1,020)	120 (1,740)	131 (1,900)	148 (2,150)	159 (2,320)	171 (2,480)	185 (2,690)	199 (2,900)	207 (3,000)	61 (880)	70 (1,020)	-	-		
		11.9 (0.469)		130.62 (87.89)	75 (1,090)	128 (1,860)	140 (2,040)	159 (2,300)	171 (2,480)	183 (2,660)	198 (2,880)	207 (3,000)	207 (3,000)	65 (940)	75 (1,090)	-	-		
508.0 (20")	508.0 (20.000")	12.7 (0.500)	xs	139.15 (93.54)	80 (1,170)	137 (1,980)	150 (2,170)	170 (2,460)	182 (2,640)	196 (2,830)	207 (3,000)	207 (3,000)	207 (3,000)	69 (1,000)	81 (1,170)	-	-		
		14.3 (0.562)		156.11 (104.76)	90 (1,310)	154 (2,230)	169 (2,440)	191 (2,760)	205 (2,970)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	-	-	-	-		
		15.9 (0.625)		172.95 (116.09)	101 (1,460)	172 (2,480)	187 (2,720)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	-	-	-	-		
		6.4 (0.250)		79.16 (52.78)	36 (530)	66 (950)	72 (1,040)	81 (1,170)	88 (1,260)	94 (1,350)	102 (1,460)	110 (1,580)	125 (1,800)	31 (450)	36 (520)	-	-		
		7.1 (0.281)		87.70 (59.23)	40 (590)	73 (1,060)	80 (1,160)	90 (1,320)	97 (1,420)	104 (1,520)	113 (1,640)	122 (1,770)	139 (2,020)	35 (510)	41 (590)	-	-		
		7.9 (0.312)		97.43 (65.66)	45 (660)	81 (1,180)	89 (1,290)	100 (1,460)	108 (1,570)	116 (1,680)	125 (1,830)	135 (1,970)	155 (2,250)	39 (560)	45 (660)	-	-		
		8.7 (0.344)		107.12 (72.28)	50 (720)	89 (1,300)	98 (1,420)	111 (1,610)	119 (1,730)	128 (1,860)	138 (2,010)	149 (2,170)	170 (2,480)	43 (620)	50 (720)	-	-		
		9.5 (0.375)	20 std	116.78 (78.67)	54 (790)	98 (1,420)	107 (1,550)	121 (1,760)	130 (1,890)	139 (2,030)	151 (2,190)	163 (2,360)	186 (2,700)	47 (680)	54 (790)	-	-		
		10.3 (0.406)		126.41 (85.04)	59 (850)	106 (1,530)	116 (1,680)	131 (1,900)	141 (2,050)	151 (2,190)	164 (2,380)	176 (2,560)	201 (2,920)	50 (730)	59 (850)	-	-		
		11.1 (0.438)		136.01 (91.59)	63 (920)	114 (1,660)	125 (1,810)	141 (2,050)	152 (2,210)	163 (2,370)	176 (2,560)	190 (2,760)	207 (3,000)	54 (790)	63 (920)	-	-		
508.0 (20")	508.0 (20.000")	11.9 (0.469)		145.58 (97.92)	68 (980)	122 (1,770)	134 (1,940)	151 (2,190)	163 (2,360)	175 (2,530)	189 (2,740)	204 (2,950)	207 (3,000)	59 (850)	65 (950)	-	-		
		12.7 (0.500)	30 xs	155.12 (104.23)	72 (1,050)	131 (1,890)	143 (2,070)	162 (2,340)	174 (2,520)	186 (2,700)	202 (2,930)	207 (3,000)	207 (3,000)	62 (900)	72 (1,050)	-	-		
		14.3 (0.562)		174.10 (116.78)	81 (1,180)	147 (2,120)	161 (2,330)	182 (2,630)	196 (2,830)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	70 (1,010)	81 (1,180)	-	-		
		15.9 (0.625)		192.95 (129.45)	91 (1,310)	163 (2,360)	179 (2,590)	202 (2,930)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	78 (1,130)	91 (1,310)	-	-		
		17.5 (0.688)		216.34 (142.03)	102 (1,440)	184 (2,600)	201 (2,850)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	88 (1,240)	102 (1,440)	-	-		
		19.1 (0.750)		230.27 (154.34)	109 (1,580)	196 (2,840)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	93 (1,350)	109 (1,580)	-	-		
		6.4 (0.250)		79.16 (52.78)	36 (530)	66 (950)	72 (1,040)	81 (1,170)	88 (1,260)	94 (1,350)	102 (1,460)	110 (1,580)	125 (1,800)	31 (450)	36 (520)	-	-		
		7.1 (0.281)		87.70 (59.23)	40 (590)	73 (1,060)	80 (1,160)	90 (1,320)	97 (1,420)	104 (1,520)	113 (1,640)	122 (1,770)	139 (2,020)	35 (510)	41 (590)	-	-		
		7.9 (0.312)		97.43 (65.66)	45 (660)	81 (1,180)	89 (1,290)	100 (1,460)	108 (1,570)	116 (1,680)	125 (1,830)	135 (1,970)	155 (2,250)	39 (560)	45 (660)	-	-		
		8.7 (0.344)		107.12 (72.28)	50 (720)	89 (1,300)	98 (1,420)	111 (1,610)	119 (1,730)	128 (1,860)	138 (2,010)	149 (2,170)	170 (2,480)	43 (620)	50 (720)	-	-		
508.0 (20")	508.0 (20.000")	9.5 (0.375)	20 std	116.78 (78.67)	54 (790)	98 (1,420)	107 (1,550)	121 (1,760)	130 (1,890)	139 (2,030)	151 (2,190)	163 (2,360)	186 (2,700)	47 (680)	54 (790)	-	-		
		10.3 (0.406)		126.41 (85.04)	59 (850)	106 (1,530)	116 (1,680)	131 (1,900)	141 (2,050)	151 (2,190)	164 (2,380)	176 (2,560)	201 (2,920)	50 (730)	59 (850)	-	-		
		11.1 (0.438)		136.01 (91.59)	63 (920)	114 (1,660)	125 (1,810)	141 (2,050)	152 (2,210)	163 (2,370)	176 (2,560)	190 (2,760)	207 (3,000)	54 (790)	63 (920)	-	-		
		11.9 (0.469)		145.58 (97.92)	68 (980)	122 (1,770)	134 (1,940)	151 (2,190)	163 (2,360)	175 (2,530)	189 (2,740)	204 (2,950)	207 (3,000)	59 (850)	65 (950)	-	-		
		12.7 (0.500)	30 xs	155.12 (104.23)	72 (1,050)	131 (1,890)	143 (2,070)	162 (2,340)	174 (2,520)	186 (2,700)	202 (2,930)	207 (3,000)	207 (3,000)	62 (900)	72 (1,050)	-	-		
		14.3 (0.562)		174.10 (116.78)	81 (1,180)	147 (2,120)	161 (2,330)	182 (2,630)	196 (2,830)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	70 (1,010)	81 (1,180)	-	-		
		15.9 (0.625)		192.95 (129.45)	91 (1,310)	163 (2,360)	179 (2,590)	202 (2,930)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	78 (1,130)	91 (1,310)	-	-		
		17.5 (0.688)		216.34 (142.03)	102 (1,440)	184 (2,600)	201 (2,850)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	88 (1,240)	102 (1,440)	-	-		
		19.1 (0.750)		230.27 (154.34)	109 (1,580)	196 (2,840)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	93 (1,350)	109 (1,580)	-	-		

Dimensiones, pesos y presiones mínimas en prueba hidrostática

Measurements, weights and minimal pressures in hydrostatic test

Diámetro Nominal		Diámetro Exterior	Espesor de pared	Cédula y clasif. de peso	Peso Teórico	ESPECIFICACIONES API-5L										ESPECIFICACIONES ASTM															
						PRESIONES DE PRUEBA										A-53		A-120													
Nominal Diameter	Outside Diameter	Wall Thickness	Schedule and weight Class	Weight per unit lenght	GRADE B	X-42	X-46	X-52	X-56	X-60	X-65	X-70	X-80	GRADE A	GRADE B	A-53	ASTM SPECIFICATIONS														
																		API-5L SPECIFICATIONS										A-53		A-120	
																		MINIMUM TEST PRESSURE										A-53		A-120	
mm(pig)	mm(pig)	mm(pig)	Cédula	Kg/m	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)	KPa x 100	(lb/pg²)														
559.0 (22")	559.0 (22.000")	6.4 (0.250)	10	87.21 (58.13)	33 (480)	60 (860)	65 (940)	74 (1,060)	80 (1,150)	85 (1,230)	92 (1,330)	100 (1,430)	114 (1,640)	28 (410)	33 (480)	—	—														
		7.1 (0.281)		96.63 (65.24)	37 (540)	66 (970)	72 (1,060)	82 (1,200)	88 (1,290)	95 (1,380)	102 (1,490)	110 (1,610)	126 (1,840)	32 (460)	37 (540)	—	—														
		7.9 (0.312)		107.36 (72.34)	41 (600)	74 (1,070)	81 (1,170)	91 (1,330)	98 (1,430)	10.5 (1,530)	114 (1,660)	123 (1,790)	140 (2,040)	35 (510)	41 (600)	—	—														
		8.7 (0.344)		118.06 (79.64)	45 (660)	81 (1,180)	89 (1,290)	101 (1,460)	108 (1,580)	116 (1,690)	126 (1,830)	135 (1,970)	155 (2,250)	39 (560)	45 (660)	—	—														
		9.5 (0.375)	std	128.73 (86.69)	49 (720)	89 (1,290)	97 (1,410)	110 (1,600)	118 (1,720)	127 (1,840)	137 (1,990)	148 (2,150)	169 (2,450)	42 (610)	49 (720)	—	—														
		10.3 (0.406)		139.37 (93.72)	53 (780)	96 (1,400)	105 (1,530)	119 (1,730)	128 (1,860)	137 (1,990)	149 (2,160)	160 (2,330)	183 (2,660)	46 (660)	53 (780)	—	—														
		11.1 (0.438)		149.97 (100.96)	57 (840)	104 (1,510)	113 (1,650)	128 (1,860)	138 (2,010)	148 (2,150)	160 (2,330)	173 (2,510)	197 (2,870)	49 (720)	57 (840)	—	—														
		11.9 (0.469)		160.55 (107.95)	62 (900)	111 (1,610)	121 (1,770)	138 (2,000)	148 (2,150)	159 (2,300)	172 (2,490)	185 (2,590)	207 (3,000)	53 (770)	62 (900)	—	—														
		12.7 (0.500)	xs	171.09 (114.92)	66 (950)	119 (1,720)	130 (1,880)	147 (2,130)	158 (2,290)	169 (2,450)	183 (2,660)	198 (3,000)	207 (3,000)	207 (3,000)	56 (820)	66 (950)	—	—													
		14.3 (0.562)		192.08 (128.79)	74 (1070)	134 (1,930)	146 (2,120)	165 (2,390)	178 (2,570)	191 (2,760)	206 (2,990)	207 (3,000)	207 (3,000)	207 (3,000)	64 (920)	74 (1070)	—	—													
610.0 (24")	610.0 (24.000")	6.4 (0.250)	10	95.26 (63.47)	30 (440)	55 (790)	60 (860)	68 (980)	73 (1,050)	78 (1,130)	85 (1,220)	91 (1,310)	104 (1,500)	26 (380)	30 (440)	—	—														
		7.1 (0.281)		105.56 (71.25)	34 (490)	61 (890)	66 (970)	75 (1,100)	81 (1,180)	87 (1,260)	94 (1,370)	101 (1,480)	116 (1,690)	29 (420)	34 (490)	—	—														
		7.9 (0.312)		117.30 (79.01)	37 (550)	68 (980)	74 (1,080)	84 (1,220)	90 (1,310)	97 (1,400)	104 (1,520)	113 (1,640)	129 (1,870)	32 (470)	38 (550)	—	—														
		8.7 (0.344)		129.00 (86.99)	41 (600)	74 (1,080)	81 (1,190)	92 (1,340)	99 (1,440)	106 (1,550)	115 (1,680)	124 (1,810)	142 (2,060)	36 (520)	41 (600)	—	—														
		9.5 (0.375)	20 std	140.68 (94.71)	45 (660)	81 (1,180)	89 (1,290)	101 (1,460)	108 (1,580)	116 (1,690)	126 (1,830)	135 (1,970)	155 (2,250)	39 (560)	45 (660)	—	—														
		10.3 (0.406)		152.32 (102.40)	49 (710)	88 (1,280)	96 (1,400)	109 (1,580)	117 (1,710)	126 (1,840)	136 (1,970)	147 (2,130)	168 (2,440)	42 (610)	49 (710)	—	—														
		11.1 (0.438)		163.93 (110.32)	53 (770)	95 (1,380)	104 (1,510)	118 (1,710)	126 (1,840)	136 (1,970)	147 (2,140)	158 (2,300)	181 (2,630)	45 (660)	53 (770)	—	—														
		11.9 (0.469)		175.51 (117.98)	56 (820)	102 (1,480)	111 (1,620)	126 (1,830)	136 (1,970)	145 (2,110)	157 (2,290)	170 (2,460)	194 (2,810)	48 (700)	57 (820)	—	—														
		12.7 (0.500)	xs	187.06 (125.61)	60 (880)	109 (1,580)	119 (1,730)	134 (1,940)	145 (2,100)	155 (2,250)	168 (2,440)	181 (2,630)	207 (3,000)	52 (750)	61 (880)	—	—														
		14.3 (0.562)		210.07 (140.81)	68 (980)	122 (1,770)	134 (1,940)	151 (2,190)	163 (2,360)	175 (2,550)	189 (2,740)	204 (2,950)	207 (3,000)	—	—	—	—														
		15.9 (0.625)		232.94 (156.17)	75 (1090)	136 (1,970)	149 (2,160)	168 (2,440)	181 (2,630)	194 (2,810)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		17.5 (0.688)		255.69 (171.45)	83 (1200)	150 (2,170)	164 (2,370)	185 (2,680)	199 (2,890)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		19.1 (0.750)		278.32 (186.41)	91 (1310)	163 (2,360)	179 (2,590)	202 (2,930)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		20.6 (0.812)		299.41 (201.28)	98 (1420)	176 (2,560)	193 (2,800)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		22.2 (0.875)		321.79 (216.31)	105 (1530)	190 (2,760)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		23.8 (0.938)		344.05 (231.25)	113 (1640)	204 (2,950)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—														
		25.4 (1.000)		366.17 (245.87)	120 (1750)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	—	—	—	—													